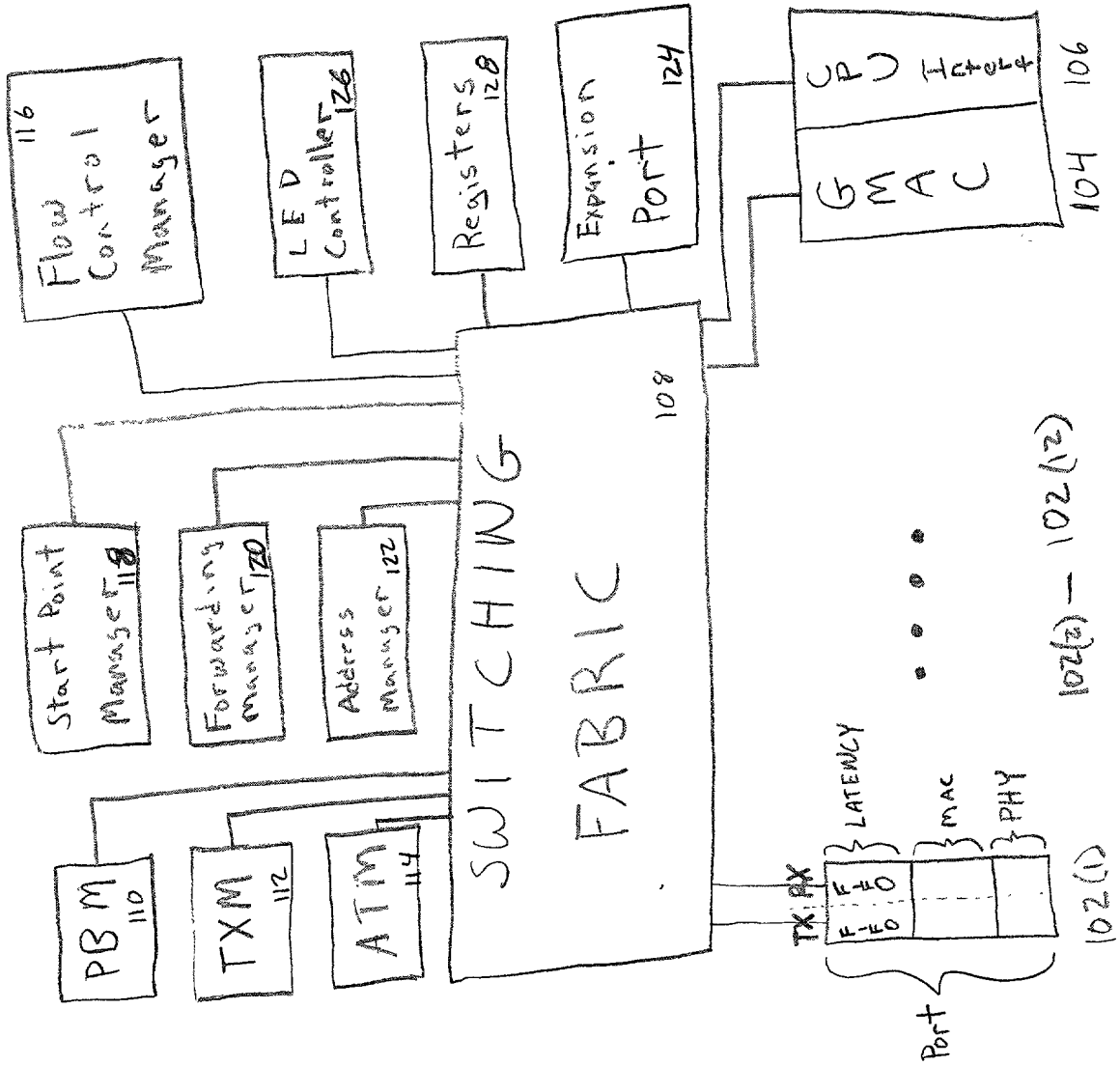


FIG. 1



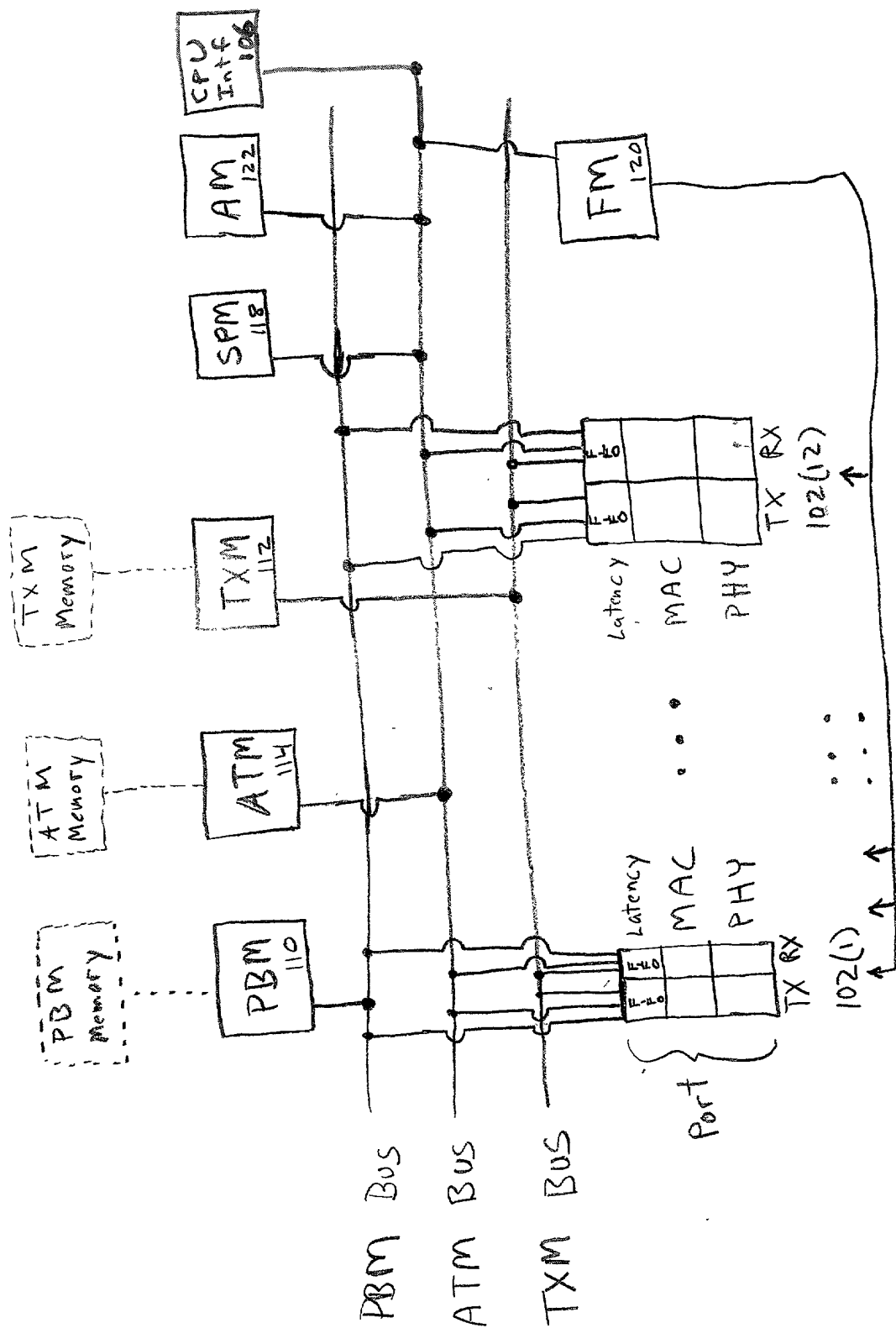


FIG. 2

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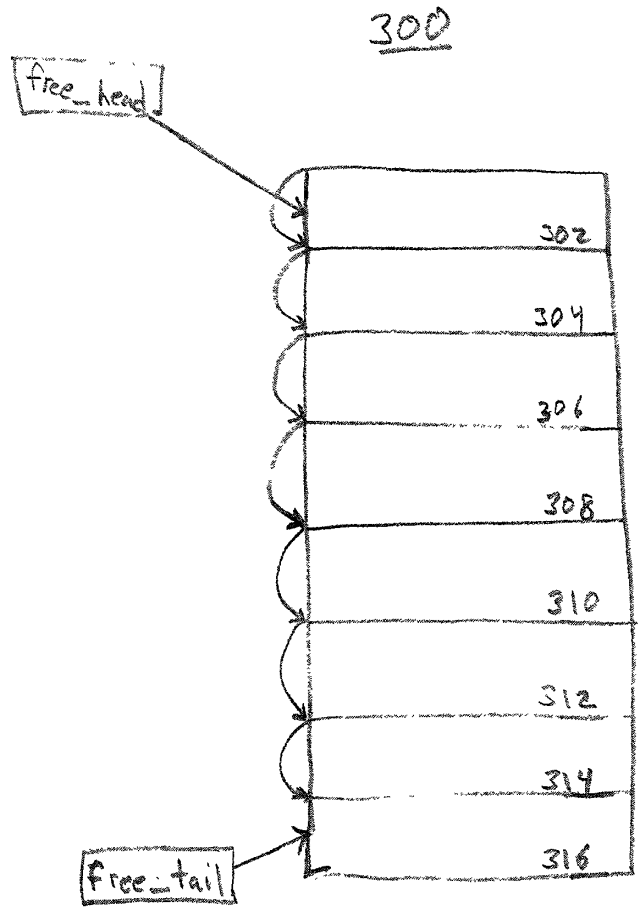


FIG. 3A

300

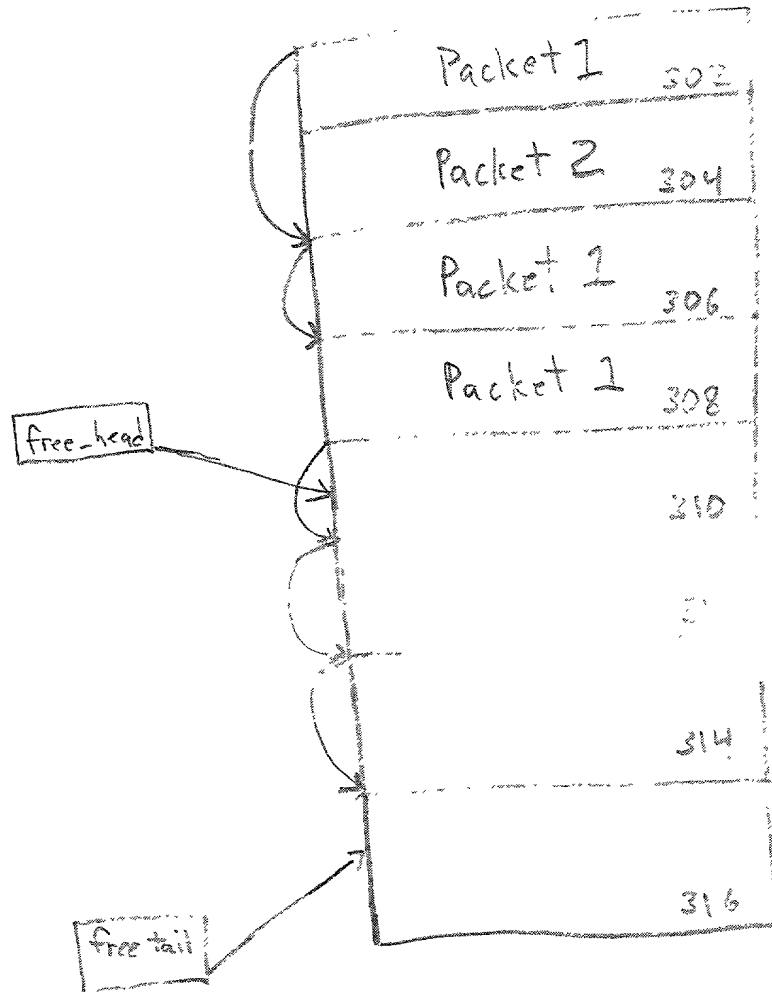


FIG. 3B

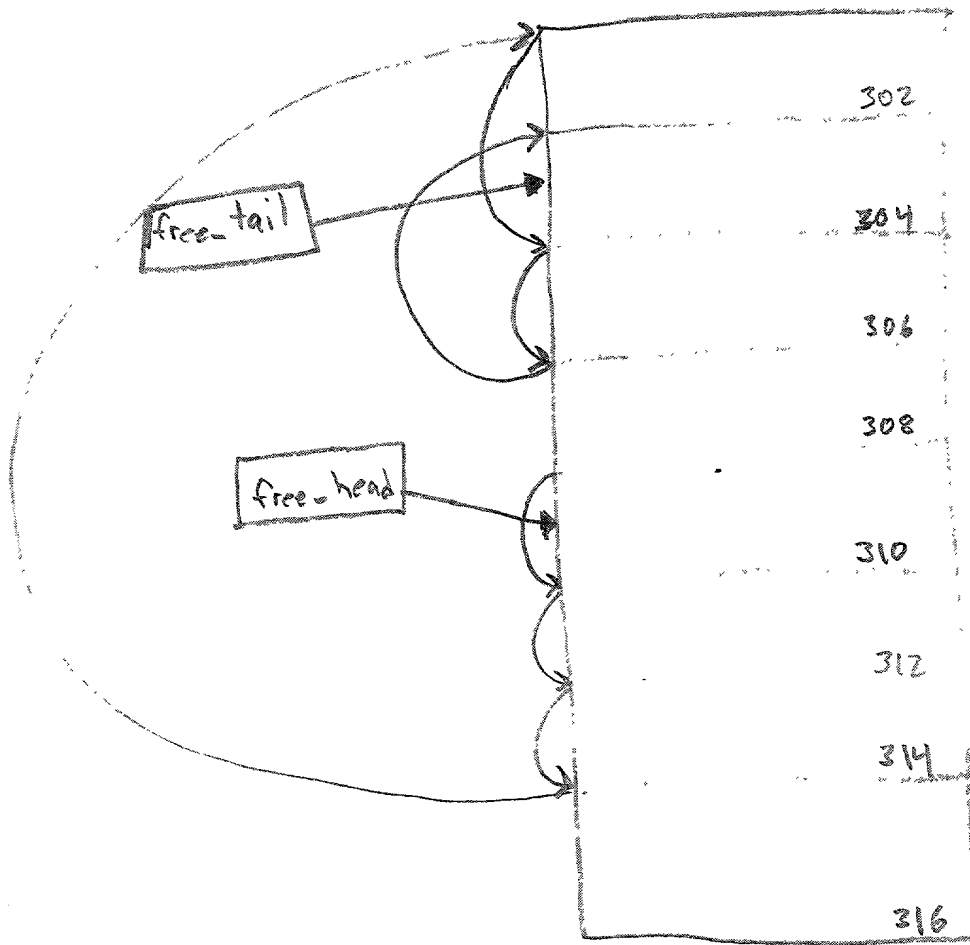


FIG. 3D

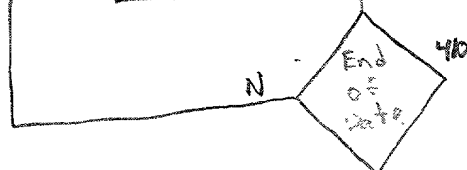
Assign pointers to free memory locations and link the pointers to one another forming a linked list 400

Assign a free head pointer to
an initial memory location of
the linked list

Assign a free tail pointer to
a last memory location of the
linked list

Assign an initial data pointer to the memory location assigned to the free head pointer

Assign the next memory location in the linked list to data



Assign end of data pointer
to last data memory location.

Assign free head pointer to next memory location linked to the last data memory location

FIG. 4A

Linking memory location
assigned to the free tail
pointer to the memory
location assigned to the
initial data pointer

416

Assigning free tail
pointer to the memory
location assigned to the
end of data pointer

418

FIG. 4B

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Pointer Assignor 500	Linker 502
Free Head Pointer Assignor 504	Initial Data Pointer Assignor 508
Free Tail Pointer Assignor 506	End of Data Pointer Assignor 512
Data Assignor 510	

FIG. 5